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BUILD AND SHIP NEW SOVIET MACHINE TOOLS

NEW MACHINE FOR ROMANIAN METALLURGICAL INDUSTRY -- Tbilisi, Zarya Vostoka, 4 Jun 53

The Tbilisi Machine Tool Building Plant imeni Kircv fills orders for the Rumanian People's Republic. It is now assembling one of the new bar-threading machines for the Rumanian metallurgical industry.

LITHUANIAN PLANT SHIPS MACHINE TOOLS TO VARIOUS REPUBLICS -- Moscow, Pravda, 28 May 53

Recently, Lithuanian machine tool builders have shipped many planing and drilling machines to various cities of the Soviet Union. The Vil'nyus Zhal'giris Plant has sent new machine tools to the Azerbaydzhan, Georgian, and Moldavian SSRs; to Tomsk for laboratories of the electrical machinery tekhnikum; to the Petrodvorets Precision Industrial Stones Plant; to the Kislovodsk Northern Caucasus Administration of Health Resorts, Sanitariums, and Rest Homes; and to various peat enterprises of the RSFSR. A new group of products is being prepared for shipment.

DESCRIBE ASSEMBLY OF DRILLING MACHINES -- Minsk, Sovetskaya Belorussiya, 31 May 53

The shops of the Vitebsk Machine Tool Building Plant imeni Komintern have spread out on the right bank of the Zapadnaya Dvina. Each month the enterprise sends hundreds of high-production machine tools to many plants throughout the USSR.

On the second floor of the fourth assembly shop the frames of future vertical drilling machines are lifted by a hoist. The base of the machine is quickly and accurately assembled. With the aid of a block hoist, the first assembled unit is rolled on thin rails to workers engaged in assembling the machine tool. The machine tool then moves along a constant-flow line to a new working area where the gear box and column are installed, after which it moves along for the assembly of a third unit.

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The perpendicularity of the spindle axis to the table is checked by highly skilled workers. Following this operation the electrical equipment is installed. The machine tool is then tested to determine its degree of accuracy. A hoist then lowers the new machine tool to the first floor for painting.

Because of proper planning and organization, good results have been attained in all production processes. Parts flow evenly to the assembly shop on a prearranged schedule. Enthusiastic machine tool builders are now thinking about expanding the shop and increasing the production of machine tools as well as perfecting the technique of high-speed assembly and producing new-type machine tools.

MILLING MACHINES FOR GENERATORS -- Moscow, Pravda, 4 Jun 53

The Gor'kiy Milling Machine Plant, under the direction of Koval'chuk, leading designer at the special design bureau, has built a unique rotor-milling machine to be used for machining generator rotors. The machine tool is 180 tons in weight, 17 meters long, 9.5 meters wide, and 5.5 meters high. It is driven by 22 electric motors. It is capable of machining shafts 12.5 meters long and up to 2.8 meters in diameter. The milling machine does two operations simultaneously; it mills the rotor slots and the dovetail of the generator. The machine tool will be installed at the Leningrad Elektrosila Plant imeni Kirov.

UNIVERSAL BORING MACHINES FOR MTS -- Tallin, Sovetskaya Estoniya, 16 Jun 53

The Tallin Repair Plant of the Ministry of Agriculture and Agricultural Procurement Estonian SSR has shipped 19 universal machine tools for boring babbitted bearings for internal combustion engines to MTS in the Belorussian SSR, in Kalininskaya and Kostromskaya oblasts, etc.

Thus far in 1953, the enterprise has produced 200 URB boring machines. At present, Tallin machine tools are being used in workshops of all MTS in Estonia and by many mechanizers in Leningradskaya and Arkhangel'skaya oblasts, Komi ASSR, Latvian SSR, and other union republics.

The machine tool builders will put out 450 high-quality URB machine tools in 1953.

BUILD NEW HEAVY MACHINE TOOLS -- Kiev, Pravda Ukrainy, 12 Jun 53

The Kramatorsk Heavy Machine Tool Building Plant is manufacturing lathes capable of machining parts 400 tons in weight, 3 meters in diameter, and 32 meters long.

The Kolomna and Novosibirsk Tyazhstankogidropress plants have set up production of vertical boring mills which can machine parts tens of tons in weight, 7 meters in diameter, and 4 meters high.

NEW GIANT BORING MACHINE -- Moscow, Vechernyaya Moskva, 17 Jun 53

A unique boring machine designed at the Novosibirsk Tyazhstankogidropress Plant imeni Yefremov can machine parts tens of tons in weight. It can bore holes up to 2 meters in diameter at high speeds, mill surfaces more than 7 meters long and 3 meters high, drill, and thread. It occupies 130 square meters of floor space.

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SET UP SERIES PRODUCTION OF HEAVY MACHINE TOOLS -- Ashkhabad, Turkmeneskaya Iskra,
4 Jun 53

The Moscow Machine Tool Plant imeni Sergo Ordzhonikidze has mastered the production of heavy horizontal boring machines intended for machining large machine parts.

Series production of these machine tools is being set up. A special bay for their assembly has been completely equipped.

ASSEMBLE STREAMLINED AUTOMATIC LATHE -- Leningradskaya Pravda, 12 Jun 53

A large streamlined machine tool is being assembled at the Moscow Krasnyy Proletariy Machine Tool Building Plant imeni Yefremov. It is a new automatic lathe which has been approved by a state commission and which is intended for machining inner rings of large roller bearings.

NEW MULTITool AUTOMATIC LATHE -- Tbilisi, Zarya Vostoka, 18 Jun 53

A new multitool automatic lathe, designed at the Experimental Scientific Research Institute of Metal-Cutting Machine Tools, can perform more than ten operations simultaneously. Each cutting tool performs a specified operation. A part can now be machined in 5-10 minutes instead of an hour.

The automatic is a universal machine. It can be set up for machining various types of parts in one fourth the time ordinarily required. The chips do not interfere with its operation. Because of the vertical disposition of the spindle, the chips drop down into a special conveyer. The biggest advantage of the new automatic is the possibility of using large feeds in machining multistep parts.

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